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June 7, 1960

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Dear Sir:

Enclosed herewith is a technical memorandum and cost breakdown for a proposed task order under Contract [REDACTED]

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If you should have any further questions, please do not hesitate to contact us.

Very truly yours,

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Assistant Treasurer

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TECHNICAL MEMORANDUM FOR A PROPOSED
TASK ORDER FOR A SHIPBORNE TRANSMITTER SYSTEM

[] proposes to construct a shipborne medium frequency transmitting system using off-the-shelf parts where possible. The transmitter to be used will be a government furnished Collins 20 V unit. This unit will be ruggedized as required by [] After a preliminary examination of a similar transmitter, it appears that only small modifications to the unit are required. It is to be crystal controlled over the frequency band of 1000 to 1500 kc.

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A control unit will be constructed consisting of an Ampex 601 recorder and amplifier, a modulation monitor, and a compression amplifier. These units will be rack mounted. The recorder and monitor and compression amplifier will be furnished by []

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[] The compression amplifier will be a Gates unit having both input and output level controls. This unit will be modified to roll off the high frequency response.

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The transmitter output will be fed into a dummy load or a coupling network. The dummy load will be furnished by the government. The coupling network will be designed and constructed by []

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An antenna will be designed that is capable of being erected or lowered within a short time. This antenna may be furnished

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all or in part by [] It is possible that portions of it will be furnished by the government.

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At the completion of the design and construction of the transmitter system, the entire unit will be shipped to the installation point. [] will furnish two people at this location to assist in the installation and to evaluate the system by measurements. Approximately two weeks time is being allowed for installation and test.

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The delivery schedule based on receiving the transmitter before June 15 is as follows:

Shipment of system - July 1, 1960

Installation and test - Two weeks

The government furnished equipment is as follows:

1 Collins 20 V Transmitter

1 Ampex 601 Recorder and Amplifier

1 Dummy Antenna

It is understood that the government will undertake to design and modify the structure of the boat to house the transmitter system.

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